

What is claimed is :

1.A method of continuously collecting jelly compounds from
jelly filled cable by recycling operation of solvent comprising the
5 steps:

putting a jelly filled cable core in a perforated basket, and
then setting said basket in a cleaning tank;

transferring a solvent into an evaporation and concentration
tank and heating said solvent with a first heater until said solvent
10 boils, and conducting the vaporized solvent into a condenser via a
vapor pipe so as to perform heat exchange between said vapor pipe
and said cleaning tank thereby heating up said cleaning tank;

condensing said vaporized solvent in said condenser and then
conduction said condensed solvent into said cleaning tank;

15 immersing said jelly filled cable in said solvent having the
liquid/solid ratio 2/1(v/w), heating said cleaning tank with said
vapor pipe and maintaining the temperature at the solvent boiling
point by employing a second heater as an auxiliary means for
temperature control, and agitating said solvent with an agitator so
20 as to dissolve the jelly compounds, the operating time being
maintained at least 3 minutes after said jelly filled cable has been
completely immersed in said solvent, afterwards discharging the
solution containing the jelly compounds into said evaporation and
concentration tank via a liquid transportation pipe.

25 heating said evaporation and concentration tank so as to
concentrate and accumulate the deprived jelly compounds in said

evaporation and concentration tank said vaporized solvent being returned to said cleaning tank after being condensed for reuse; and

repeating the step 2 to step 5 so as to continuously deprive jelly compounds of jelly filled cable by recycling operation of solvent.

2.The method as in claim 1, wherein in the case the slurry contained in said evaporation and concentration tank exceeds 50% of the solution said solution is transferred to a separate evaporator means for jelly separation by concentration so as to retrieve said solvent.

3.The method as in claim 1, wherein said collected jelly compounds are purified by evaporation and concentration for reuse.

4.The method as in claim 1, wherein the operating temperature is between the room temperature and the solvent boiling point.

5.The method as in claim 1, wherein said cleaning tank is heated up by heat exchange performed by the evaporation heat of said solvent in said vapor pipe and said cleaning tank.

6.The method as in claim 1, wherein said solvent is a aliphatic organic solvent.

7.The method as in claim 1, wherein said operating time is above 3 minutes.

8.The method as in claim 1, wherein the agitation speed of said agitator is 20rpm.

9.The method as in claim 1, wherein the equipment for

performing said method comprises a cleaning tank, an evaporation and concentration tank, a condenser, a vapor pipe, a liquid transportation pipe, a first heater, a second heater, and an agitator.

5

10

15

20

25